

WHAT IS CLAIMED IS:

1. A helical implant formed with threads thereon, wherein each of the threads has thread inclines comprising one or more recesses.

5 2. The helical implant as set forth in claim 1, wherein the recesses have a polygonal cross-section opened at one side thereof.

3. A helical implant formed with threads thereon, wherein each of the threads has thread inclines comprising one or more recesses and protrusions.

10 4. The helical implant as set forth in claim 3, wherein both the recesses and protrusions have an arcuate cross section of identical curvature and length.

5. The helical implant as set forth in claim 2 or 4, wherein the recesses have a cross sectional area of 150  $\mu\text{m}$ .